408-558-9960 p.3

Nov 30, 06 01:18p IPLO

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

- 1 1. (Currently amended): A magnetic head, comprising:
- 2 a first magnetic pole;
- 3 a second magnetic pole;
- 4 a write gap layer being disposed between said first and second magnetic poles, where
- 5 said write gap layer includes at least two sublayers, including an adhesion sublayer and an
- 6 electrically conductive, non-magnetic sublayer, and wherein said adhesion sublayer is disposed
- 7 upon said first magnetic pole, and said second magnetic pole is disposed directly upon said
- 8 electrically conductive, non-magnetic sublayer.
- 1 2. (Cancelled)
- 1 3. (Currently amended): A magnetic head as described in claim 2 1 wherein said
- 2 electrically conductive, non-magnetic sublayer serves as an electrical current conductor in a
- 3 process for the electroplating of said second magnetic pole.
- 4. (Original): A magnetic head as described in claim 1, wherein said adhesion sublayer is
- 2 comprised of a material selected from the group consisting of Ta, Ti, Cr and NiCr.
- 1 5. (Original): A magnetic head as described in claim 1 wherein said electrically conductive,
- 2 non-magnetic sublayer is comprised of a material selected from the group consisting of Rh, Ru,
- 3 Ir, Mo, W, Au, Be, Pd, Pt, Cu, PtMn, and Ta.

2

S/N: 10/813,880

Nov 30,06 01:18p IPLO 408-558-9960 p.4

1 6. (Original): A magnetic head as described in claim I wherein said adhesion sublayer is

- 2 formed with a thickness of from approximately 25 Å to approximately 200 Å.
- 1 7. (Original): A magnetic head as described in claim 6 wherein said adhesion sublayer is
- 2 formed with a thickness of approximately 50 Å.
- 1 8. (Original): A magnetic head as described in claim 1 wherein said electrically conductive,
- 2 non-magnetic sublayer is formed with a thickness of from approximately 100 Å to approximately
- 3 1000 Å.

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- 9. (Original): A magnetic head as described in claim 6 wherein said electrically conductive,
- 2 non-magnetic sublayer is formed with a thickness of approximately 500 Å.
- 1 10. (Original): A magnetic head as described in claim 1 wherein said second magnetic pole
- 2 is comprised of a CoFe alloy.
- 2 11 (Original): A magnetic head as described in claim 1 wherein said write gap layer also
- 3 includes a third sublayer that is disposed between said adhesion sublayer and said electrically
- 4 conductive, non-magnetic sublayer, and wherein said third sublayer is comprised of a material
- 5 that is etchable in a reactive ion etch process.
- 1 12. (Original): A magnetic head as described in claim 11 wherein said third sublayer is
- 2 formed with a thickness of from approximately 100 Å to approximately 1,000 Å.

Nov 30,06 01:18p IPLO 408-558-9960 p.5

1 13. (Original): A magnetic head as described in claim 12 wherein said third sublayer is

- 2 formed with a thickness of approximately 600 Å.
- 3 14. (Original): A magnetic head as described in claim 11 wherein said third sublayer is
- 4 comprised of a material selected from the group consisting of Ta, Ti, W, Mo and Si.
- 1 15. (Currently amended): A magnetic head as described in claim 1 wherein said adhesion
- 2 layer is disposed directly upon said first magnetic pole, and said second magnetic pole is
- 3 electroplated upon-said electrically conductive, non-magnetic sublayer, where said electrically
- 4 conductive, non-magnetic sublayer-serves as an electrical current conductor in a process for the
- 5 electroplating of said-second magnetic pole;
- 6 wherein said adhesion sublayer is comprised of a material selected from the group
- 7 consisting of Ta, Ti, Cr and NiCr, and is formed with a thickness of from approximately 25 Å to
- 8 approximately 200 Å;
- 9 wherein said electrically conductive, non-magnetic sublayer is comprised of a material
- selected from the group consisting of Rh, Ru, Ir, Mo, W, Au, Be, Pd, Pt, Cu, PtMn, and Ta and is
- formed with a thickness of from approximately 100 Å to approximately 1000 Å;
- wherein said write gap layer also includes a third sublayer that is disposed between said
- 13 adhesion sublayer and said electrically conductive, non-magnetic sublayer, and wherein said
- 14 third sublayer is comprised of a material that is etchable in a reactive ion etch process, and
- wherein said third sublayer is comprised of a material selected from the group consisting
- 16 of Ta, Ti, W, Mo and Si, and is formed with a thickness of from approximately 100 Å to
- 17 approximately 1,000 Å.

IPLO 408-558-9960 p.6

- 1 16. (Currently amended): A hard disk drive, comprising:
- 2 at least one hard disk being adapted for rotary motion upon a disk drive;
- at least one slider device having a slider body portion being adapted to fly over said hard
- 4 disk;

Nov 30 .06 01:18p

- a magnetic head being formed on said slider body for writing data to said hard disk, said
- 6 magnetic head including:
- 7 a first magnetic pole;
- 8 a second magnetic pole;
- 9 a write gap layer being disposed between said first and second magnetic poles, where
- 10 said write gap layer includes at least two sublayers, including an adhesion sublayer and an
- 11 electrically conductive, non-magnetic sublayer, and wherein said adhesion sublayer is disposed
- 12 upon said first magnetic pole, and said second magnetic pole is disposed directly upon said
- 13 electrically conductive, non-magnetic sublayer.
- 1 17. (Cancelled)
- 1 18. (Original): A hard disk drive as described in claim 16 wherein said adhesion sublayer is
- 2 comprised of a material selected from the group consisting of Ta, Ti, Cr and NiCr.
- 1 19. (Original): A hard disk drive as described in claim 16 wherein said adhesion sublayer is
- 2 formed with a thickness of from approximately 25 Å to approximately 200 Å.

- 1 20. (Original): A hard disk drive as described in claim 16 wherein said electrically
- 2 conductive, non-magnetic sublayer is comprised of a material selected from the group consisting
- 3 of Rh, Ru, Ir, Mo, W, Au, Be, Pd, Pt, Cu, PtMn, and Ta.

4

- 1 21. (Original): A hard disk drive as described in claim 16 wherein said electrically
- 2 conductive, non-magnetic sublayer is formed with a thickness of from approximately 100 Å to
- 3 approximately 1000 Å.
- 1 22. (Original): A hard disk drive as described in claim 16 wherein said second magnetic pole
- 2 is comprised of a CoFe alloy.
- 3 23. (Original): A hard disk drive as described in claim 16 wherein said write gap layer also
- 4 includes a third sublayer that is disposed between said adhesion sublayer and said electrically
- 5 conductive, non-magnetic sublayer, and wherein said third sublayer is comprised of a material
- 6 that is etchable in a reactive ion etch process.
- 1 24. (Original): A hard disk drive as described in claim 23 wherein said third sublayer is
- 2 formed with a thickness of from approximately 100 to approximately 1,000 Å.
- 1 25. (Original): A hard disk drive as described in claim 23 wherein said third sublayer is
- 2 comprised of a material selected from the group consisting of Ta, Ti, W, Mo and Si.
- 1 26. (Original): A method for fabricating a magnetic head, comprising:
- 2 fabricating a first magnetic pole upon a substrate surface;

6

S/N: 10/813,880

Nov 30 ,06 01:19p IPLO 408-558-9960 p.8

3 fabricating a write gap layer upon said first magnetic pole, including the fabrication of an

adhesion sublayer upon said first magnetic pole and the fabrication of an electrically conductive,

5 non-magnetic sublayer above said adhesion sublayer;

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6 electroplating a second magnetic pole upon said electrically conductive, non-magnetic

7 sublayer, including the step of passing electrical current through said electrically conductive,

non-magnetic sublayer to plate up said second magnetic pole.

1 27. (Original): A method for fabricating a magnetic head as described in claim 26, wherein

said adhesion sublayer is comprised of a material selected from the group consisting of Ta, Ti, Cr

and NiCr, and is formed with a thickness of from approximately 25 Å to approximately 200 Å.

1 28. (Original): A method for fabricating a magnetic head as described in claim 26 wherein

said electrically conductive, non-magnetic sublayer is comprised of a material selected from the

group consisting of Rh, Ru, Ir, Mo, W, Au, Be, Pd, Pt, Cu, PtMn, and Ta and is formed with a

4 thickness of from approximately 100 Å to approximately 1000 Å.

5 29. (Original): A method for fabricating a magnetic head as described in claim 26 including

fabricating a third sublayer between said adhesion sublayer and said electrically conductive, non-

magnetic sublayer, and wherein said third sublayer is comprised of a material that is etchable in a

8 reactive ion etch process.

30. (Currently amended): A method for fabricating a magnetic head as described in claim 29

2 wherein said third sublayer is comprised of a material selected from the group consisting of Ta,

- 3 Ti, W, Mo and Si, is formed with a thickness of from approximately 100 Å to approximately
- 4 1,000 Å.

8

S/N: 10/813,880